

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/554268	US-PGPUB; USPAT	OR	ON	2008/04/04 11:38
S4	472	"369".clas. and (push \$1pull (push adj1 pull)) same (ratio)	US-PGPUB; USPAT	OR	ON	2008/04/04 14:52
S3	2395	"369".clas. and (push \$1pull (push adj1 pull)) and ratio	US-PGPUB; USPAT	OR	ON	2008/04/04 14:52
S2	4454	"369".clas. and (push \$1pull (push adj1 pull))	US-PGPUB; USPAT	OR	ON	2008/04/04 14:52
S5	8	"369".clas. and ((push\$1pull (push adj1 pull)) same (ratio) same (subtract\$3 difference) same (multipl\$7))	US-PGPUB; USPAT	OR	ON	2008/04/04 14:53
S6	6	"369".clas. and ((push\$1pull (push adj1 pull)) same (ratio) same (subtract\$3 difference) same (multipl\$7 gain)) and ((photo photo \$1detect\$3 photo \$1electric ((receiving reception) near3 (light laser radiation))) with (divid\$3 division) with (radial near3 direction))	US-PGPUB; USPAT	OR	ON	2008/04/04 14:57

S7	10	"369".clas. and ((push\$1pull (push adj 1 pull)) same (ratio) same (subtract\$3 difference) same (multipl\$7 gain)) and ((photo photo \$1detect\$3 photo \$1electric ((receiving reception) near3 (light laser radiation)))) with (divid\$3 division segment))	US-PGPUB; USPAT	OR	ON	2008/04/04 14:58
S9	202	"369".clas. and (push \$1pull (push adj 1 pull)) and ((ratio) same (multipl\$7 gain)) and ((photo photo\$1detect\$3 photo\$1electric ((receiving reception) near3 (light laser radiation)))) with (divid\$3 division segment))	US-PGPUB; USPAT	OR	ON	2008/04/04 14:59
S8	115	"369".clas. and (push \$1pull (push adj 1 pull)) and ((ratio) with (multipl\$7 gain)) and ((photo photo\$1detect\$3 photo\$1electric ((receiving reception) near3 (light laser radiation)))) with (divid\$3 division segment))	US-PGPUB; USPAT	OR	ON	2008/04/04 14:59
S10	3131	"369".clas. and (laminat\$3)	US-PGPUB; USPAT	OR	ON	2008/04/04 16:12

S11	13	"369".clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same (tes (track\$3 near3 error) on\$1track (on adj1 track) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (equal "0" "same" zero\$3) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up)))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:21
S12	13	"369".clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same (tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (equal "0" "same" zero\$3) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up)))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:22

S13	13	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same (tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (equal "0" "same" zero\$3) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up)))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:23
S14	17	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same (tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (equal "0" "same" zero\$3) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:24

S15	17	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same (((pre adj1 pit) pre \$1pit) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center \$3 near3 (track groove train)) push \$1pull (radial adj1 pp) (push near3 pull \$3)) same (cancel\$4 equal "0" "same" zero\$3) same (initial \$8 load\$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:33
S17	20	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same (((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (cancel\$4 equal "0" "same" zero\$3) same (initial \$8 load\$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3	US- PGPUB; USPAT	OR	ON	2008/04/10 16:34

S16	21	factory production)) ("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same ((((pre adj1 pit) pre \$1pit wobbl\$3) near3 signal) lpp tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (cancel\$4 equal "0" "same" zero\$3) same (initial \$8 load\$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:34
S18	20	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same ((((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (cancel\$4 equal \$7 "0" "same" zero \$3) same (initial\$8 load\$3 (power\$3 ner3 on) (start\$3	US- PGPUB; USPAT	OR	ON	2008/04/10 16:41

		near3 up) manufactur\$3 (factory production))				
S20	47	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same ((((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 (factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:42
S19	135	("720" "369").clas. and (ratio same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same ((((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (cancel\$4 equal \$7 "0" "same" zero \$3))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:42

S21	17	("720" "369").clas. and (ratio with (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) with (((pre adj1 pit) pre\$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on \$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) with (cancel\$4 equal \$7 "0" "same" zero \$3))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:43
S22	16	S21 not S18	US- PGPUB; USPAT	OR	ON	2008/04/10 16:44
S23	92	("720" "369").clas. and (ratio with (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) with (((pre adj1 pit) pre\$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on \$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull \$3))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:53

S24	94	("720" "369").clas. and (ratio with (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (segment light photo radiation laser beam))) with (((pre adj1 pit) pre\$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on \$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull \$3)))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:54
S25	77	S24 not S21	US- PGPUB; USPAT	OR	ON	2008/04/10 16:57
S27	15	S26 not S21	US- PGPUB; USPAT	OR	ON	2008/04/10 16:58
S26	22	("720" "369").clas. and (ratio with (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (segment light photo radiation laser beam))) with (((pre adj1 pit) pre\$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on \$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) with (gain factor multipl\$7 times))	US- PGPUB; USPAT	OR	ON	2008/04/10 16:58
S29	62	S25 not S27	US- PGPUB; USPAT	OR	ON	2008/04/10 16:59

S30	15	("720" "369").clas. and ((ratio not ("s/n ratio")) with (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (segment light photo radiation laser beam))) with (((pre adj1 pit) pre\$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on \$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) with (gain factor multipl\$7 times))	US- PGPUB; USPAT	OR	ON	2008/04/10 17:21
S31	10	S30 not S21	US- PGPUB; USPAT	OR	ON	2008/04/10 17:22
S32	342	("720" "369").clas. and ((photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))) same ((((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (balanc\$3 cancel\$4 equal\$7 "0" "same" zero\$3) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 19:07

S33	119	<p>("720" "369").clas. and (ratio same ((((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (cancel\$4 equal \$7 "0" "same" zero \$3) same (initial\$8 load\$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))</p>	US- PGPUB; USPAT	OR	ON	2008/04/10 19:09
S34	62	<p>("720" "369").clas. and (ratio same ((((pre adj1 pit) pre \$1pit wobbl\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) same (cancel\$4 equal \$7 zero\$3 balanc\$3) same (initial\$8 load \$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))</p>	US- PGPUB; USPAT	OR	ON	2008/04/10 19:11

S35	32	("720" "369").clas. and (ratio same ((((pre adj1 pit) pre \$1pit wobb1\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) with (cancel\$4 equal \$7 zero\$3 balanc \$3)) same (initial\$8 load\$3 (power\$3 ner3 on) (start\$3 near3 up) manufactur\$3 factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 19:12
S36	20	("720" "369").clas. and (ratio same ((((pre adj1 pit) pre \$1pit wobb1\$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center\$3 near3 (track groove train)) push\$1pull (radial adj1 pp) (push near3 pull\$3)) with (cancel\$4 equal \$7 zero\$3 balanc \$3)) same (initial\$8 load\$3 (start\$3 near3 up) manufactur\$3 factory production))	US- PGPUB; USPAT	OR	ON	2008/04/10 19:14
S37	1	"5926445".prn.	US- PGPUB; USPAT	OR	ON	2008/04/10 19:52
S38	220	"369".clas. and (tracking near3 balanc\$3)	US- PGPUB; USPAT	OR	ON	2008/04/10 19:53
S39	7	"369".clas. and ((tracking near3 balanc\$3) same ratio)	US- PGPUB; USPAT	OR	ON	2008/04/10 19:54

S40	33	"369".clas. and (((tracking near3 balanc\$3) same (multipl\$7 gain amplif \$7 coefficient) same (difference differential\$2 subtract\$3 minus \$3))	US- PGPUB; USPAT	OR	ON	2008/04/10 19:57
S42	16	"369".clas. and (((tracking near3 balanc\$3) same (multipl\$7 gain amplif \$7 coefficient)) and (((multipl\$7 gain amplif\$7 coefficient) with ratio)	US- PGPUB; USPAT	OR	ON	2008/04/10 19:58
S41	8	"369".clas. and (((tracking near3 balanc\$3) same (multipl\$7 gain amplif \$7 coefficient) same (difference differential\$2 subtract\$3 minus \$3)) and ((multipl\$7 gain amplif\$7 coefficient) with ratio)	US- PGPUB; USPAT	OR	ON	2008/04/10 19:58
S44	32	"369".clas. and ((alternat\$5 equivalent\$2 modified modification) with (subtract\$3 differen \$4) with (divi\$4 ratio)) and (tracking near3 (balanc\$3 adjust\$4 compensat \$3 correct\$3 modif \$4))	US- PGPUB; USPAT	OR	ON	2008/04/10 20:41
S43	205	"369".clas. and ((alternat\$5 equivalent\$2 modified modification) with (subtract\$3 differen \$4) with (divi\$4 ratio))	US- PGPUB; USPAT	OR	ON	2008/04/10 20:41

S46	71	"369".clas. and (((tracking near3 (balanc\$3 adjust\$4 compensat\$3 correct \$3 modif\$4)) same ratio same (gain coefficient multipl\$7 amplif\$7))	US- PGPUB; USPAT	OR	ON	2008/04/10 20:44
S45	130	"369".clas. and (((tracking near3 (balanc\$3 adjust\$4 compensat\$3 correct \$3 modif\$4)) same ratio)	US- PGPUB; USPAT	OR	ON	2008/04/10 20:44
S47	65	"369".clas. and (((tracking near3 (balanc\$3 adjust\$4 compensat\$3 correct \$3 modif\$4)) same (ratio not "s/n ratio") same (gain coefficient multipl\$7 amplif\$7))	US- PGPUB; USPAT	OR	ON	2008/04/10 20:45
S48	6	"369".clas. and ((((adjust\$4 var\$6 compensat\$3) near4 (amplif\$7 gain)) with (((rotat\$3 spindle) near3 speed) ((power intensit\$3) near3 (writ\$3 laser light)))) same (tracking near3 (balanc\$3 adjust\$4 compensat\$3 correct \$3 modif\$4)))	US- PGPUB; USPAT	OR	ON	2008/04/10 21:15
S50	2	(US-6246660-\$ or US-5291466-\$).did.	USPAT	OR	ON	2008/04/10 21:19
S49	277	"369".clas. and ((((adjust\$4 var\$6 compensat\$3) near4 (amplif\$7 gain)) with (((rotat\$3 spindle) near3 speed) ((power intensit\$3) near3 (writ\$3 laser light)))))	US- PGPUB; USPAT	OR	ON	2008/04/10 21:19

S53	1	(S50 S51 S52) and S49	USPAT	OR	ON	2008/04/10 21:20
S52	9	(US-20010055255-\$ or US-20030198174-\$ or US-20040105359-\$ or US-20010036134-\$). did. or (US-5886964-\$ or US-6545972-\$ or US-7023767-\$ or US-4750162-\$ or US-5173598-\$).did.	US-PGPUB; USPAT	OR	ON	2008/04/10 21:20
S51	3	(US-20050180279-\$). did. or (US-5926445-\$ or US-6567372-\$). did.	US-PGPUB; USPAT	OR	ON	2008/04/10 21:20
L1	102	"369".clas. and (averag\$3 with (((improv\$6 enhanc \$6 increas\$3 rais\$3 better) near3 (accurac\$3 reliab\$5 stab\$5)) ((reduc\$4 decreas\$3 remov\$3 lower\$3 eliminat\$3) near3 (variation disturbance fluctuation))))	US-PGPUB; USPAT	OR	ON	2008/04/11 09:44
L3	6	"369".clas. and ((averag\$3 with (((improv\$6 enhanc \$6 increas\$3 rais\$3 better) near3 (accurac\$3 reliab \$5)) ((reduc\$4 decreas\$3 remov\$3 lower\$3 eliminat\$3) near3 (variation disturbance fluctuation)))) same (photodetect\$3 ((detect\$3 sensor receiv\$3 reception) near3 (light photo radiation laser beam))))	US-PGPUB; USPAT	OR	ON	2008/04/11 09:45

L2	94	"369".clas. and (averag\$3 with (((improv\$6 enhanc \$6 increas\$3 rais\$3 better) near3 (accurac\$3 reliab \$5)) ((reduc\$4 decreas\$3 remov\$3 lower\$3 eliminat\$3) near3 (variation disturbance fluctuation))))	US- PGPUB; USPAT	OR	ON	2008/04/11 09:45
L4	1002	"369".clas. and ((ratio divi\$4) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal)))	US- PGPUB; USPAT	OR	ON	2008/04/11 09:58
L5	63	"369".clas. and (((ratio divi\$4) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal))) same ((((((pre adj1 pit) pre\$1pit wobbl \$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center \$3 near3 (track groove train)) push \$1pull (radial adj1 pp) (push near3 pull \$3)) with (cancel\$4 equal\$7 zero\$3 balanc\$3)) (tracking near3 (balanc\$3 adjust\$4 compensat \$3 correct\$3 modif \$4))))	US- PGPUB; USPAT	OR	ON	2008/04/11 10:00

L6	10	"369".clas. and (((ratio) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal))) same ((((((pre adj1 pit) pre\$1pit wobbl \$3 lpp) near3 signal) tes (track\$3 near3 error) on\$1track (on adj1 track) (center \$3 near3 (track groove train)) push \$1pull (radial adj1 pp) (push near3 pull \$3)) with (cancel\$4 equal\$7 zero\$3 balanc\$3)) (tracking near3 (balanc\$3 adjust\$4 compensat \$3 correct\$3 modif \$4))))	US- PGPUB; USPAT	OR	ON	2008/04/11 10:26
L7	327	"369".clas. and (((ratio) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal))))	US- PGPUB; USPAT	OR	ON	2008/04/11 10:27
L8	55	"369".clas. and (((ratio) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal))) same (ratio with (multipl\$7 gain amplif \$7)))	US- PGPUB; USPAT	OR	ON	2008/04/11 10:34

L9	43	"369".clas. and (((ratio not (("s/n" sn) adj1 ratio)) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal))) same (ratio with (multipl\$7 gain amplif \$7)))	US- PGPUB; USPAT	OR	ON	2008/04/11 10:37
L10	6	"369".clas. and (((ratio not (("s/n" sn) adj1 ratio)) with ((inner one left first inside) near3 (output signal)) with ((second other right outer outside) near3 (output signal))) same (ratio with (multipl\$7 gain amplif \$7))) and (divi\$4 with (tangent\$5 radial\$2 (track near3 direction)))	US- PGPUB; USPAT	OR	ON	2008/04/11 10:39

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